**Christopher Michael Cyr**

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**EDUCATION**

 Ph.D. in Mathematics in April 2017.

University of Florida, Gainesville, Florida.

 Dissertation: “On S-Semipermutable Subgroups of Simple Groups”

Committee chair: Alexandre Turull

 Master of Science in Mathematics in December 2012.

North Carolina State University, Raleigh, North Carolina.

 Bachelor of Science in Mathematics (summa cum laude) in May 2010.

 Bachelor of Arts in Music (summa cum laude) in May 2010.

Mercer University, Macon, Georgia.

**WORK EXPERIENCE**

 **Teaching Assistant at University of Florida, August 2012-present.**

Lecturer/instructor of record for courses in college algebra, precalculus, multivariable calculus, and differential equations. Created syllabi, helped write exams, wrote lecture notes (for precalculus and differential equations) and quizzes, produced supplementary practice problems and review sheets/study guides as needed, held office hours, and graded all written work. Discussion leader for courses in precalculus (with and without trigonometry), differential and integral calculus (Calculus 1 and 2), and multivariable calculus (Calculus 3). Worked out solutions to homework questions, wrote, administered, and graded weekly quizzes, answered student questions by email, graded free response portion of exams, and held three office hours per week.

**Private Tutor, October 2003 – present.**

Tutored several individuals one-on-one in high school/college math.

**Teaching Assistant at North Carolina State University, August 2010 – May 2012.**

Lecture assistant for an introductory calculus course (geared toward business majors), a multivariable calculus course, and a differential equations course. Maintained attendance record at lectures, held office hours, and graded exams. Discussion leader for a precalculus course. Used Elluminate online program to work out solutions to homework questions in addition to holding regular office hours, maintaining attendance records, and grading exams.

**REG participant at N.C. State University, June – August 2012.**

Member of a research group which proved results on the generalized symmetric spaces of dicyclic groups. A paper detailing these results can be found on the arXiv: 1310.0121.

**Piano Accompanist, 2008 - present.**

Solicited as a keyboard accompanist for church services including funerals and weddings, for both vocal and instrumental recitals, for musical competitions, and for theatrical productions.

**Piano/Saxophone Instructor, March 2008 – May 2010.**

Gave private piano lessons to music students at Mercer University in preparation for passing the piano proficiency exam, as well as group instruction at a summer camp for middle school saxophonists in Melbourne, FL and sectionals for high school saxophonists in the Macon, GA community.

**ACADEMIC HONORS AND AWARDS**

Received the Kenneth and Janet Keene Endowed Dissertation Fellowship (Spring 2017)

Received two (2) Math Department Graduate Student Teaching Awards (University of Florida, April 2015, April 2016)

Selected to participate in IMMERSE program at University of Nebraska-Lincoln (June – July 2010).

Twenty recent college graduates from small liberal-arts schools across the nation participated in a six-week bridge program in preparation for advancing to graduate study in math, which consisted of an in-depth reading of two published mathematical articles, one each in analysis and algebra, and an introduction to writing in Latex.

Received Riley Plymale Award for Excellence in Mathematics (Mercer University, April 2010)

Given to outstanding senior mathematics major.

Received Outstanding Junior Mathematics Major Award (Mercer University, 2008-2009)

Received Academic Excellence in Music and Excellence in Performance Awards (Mercer University, April 2010)

Selected to perform alto saxophone in the Georgia Music Educators’ Association All-College Band (January 2010)

Received the 2008 Joseph Maerz Judges' Discretionary Award, Collegiate Division for saxophone performance (February 2008)

**PRESENTATIONS GIVEN**

**“Chermak-Delgado Lattices”** – given as a series of talks in the UF algebra seminar on October 23, 25, and 28, 2013.

**“A Theorem of Isaacs on S-Semipermutable Subgroups and Some Consequences”** – given in the UF algebra seminar on October 24, 2014.

**“Permutable p-groups Are Hard to Find (in S\_n)”** – given in the UF Graduate Math Association colloquium on April 8, 2015 (audience of math graduate students).

**“Nilpotent Subgroups and Semipermutability in the Symmetric Group”** – given at the Zassenhaus Group Theory Conference at Adelphi University in Garden City, NY on June 11, 2016.

**"Nilpotent Subgroups and Semipermutability in Some Simple Groups"** – given at the Southern Regional Algebra Conference at the University of Southern Alabama in Mobile, AL on March 17, 2017.

**PUBLICATIONS**

**“On involutions and generalized symmetric spaces of dicyclic groups”**, arXiv: 1310.0121. Joint work with Abigail Bishop, John Hutchens, Clover May, Nathaniel Schwartz, and Bethany Turner.

**LEADERSHIP/SERVICE ACTIVITIES**

Graduate student mentor to incoming math grad students Katie Bianco (2016-17) and Nick Sizemore (2015-16).

Vice President of Graduate Christian Fellowship at UF from May 2016-present (member since August 2014).

 Treasurer of Mercer Students for Life (pro-life club) from November 2009-May 2010.

Served as volunteer mentor to an elementary student through Big Brothers Big Sisters of the Heart of Georgia, from August 2006 to April 2010.

Participated in music ministry of various churches as either piano accompanist or choir member: Holy Name of Jesus Catholic Church (Indialantic, FL) from June 2003-August 2006, St. Joseph Catholic Church (Macon, GA) from August 2006-May 2010, St. Andrew the Apostle Catholic Church (Apex, NC) from June 2011-August 2012, and Redemption Orthodox Presbyterian Church (Gainesville, FL) from February 2014-present.